

(12) International Application Status Report

Received at International Bureau: 01 April 2022 (01.04.2022)

Information valid as of: 21 August 2023 (21.08.2023)

Report generated on: 13 January 2024 (13.01.2024)

(10) Publication number:

WO2023/178631

(43) Publication date:

28 September 2023 (28.09.2023)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/CN2022/082933

(22) Filing Date:

25 March 2022 (25.03.2022)

(25) Filing language:

English (EN)

(51) International Patent Classification:

A61B 6/00 (2006.01); **B25B 1/00** (2006.01); **F16M 13/02** (2006.01); **G09F 7/18** (2006.01)

(71) Applicant(s):

MAZOR ROBOTICS LTD. [IL/IL]; Haeshel 1, Building C Southern Industrial Area 3079830 Caesarea (IL) (*for all designated states*)

LIU, Yinan [CN/CN]; 2388 Chenhang Road, Minhang District Shanghai 201114 (CN) (*MG only*)

(72) Inventor(s):

LIU, Yinan; 2388 Chenhang Road, Minhang District Shanghai 201114 (CN)

GUO, Zhinan; 2388 Chenhang Road, Minhang District Shanghai 201114 (CN)

TANG, Wei; 2388 Chenhang Road, Minhang District Shanghai 201114 (CN)

ZHANG, Jiangfeng; 2388 Chenhang Road, Minhang District Shanghai 201114 (CN)

ZHU, Siyao; 2388 Chenhang Road, Minhang District Shanghai 201114 (CN)

CHEN, Ying; 2388 Chenhang Road, Minhang District Shanghai 201114 (CN)

(74) Agent(s):

SHANGHAI PATENT & TRADEMARK LAW OFFICE, LLC; 435 Guiping Road Shanghai 200233 (CN)

(54) Title (EN): UNIVERSAL ADAPTOR FOR AN IMAGING DEVICE AND CORRECTOR ASSEMBLY

(54) Title (FR): ADAPTATEUR UNIVERSEL POUR DISPOSITIF D'IMAGERIE ET ENSEMBLE CORRECTEUR

(57) Abstract:

(EN): An adaptor assembly (300,700,1100,1800) comprising a plurality of spacers (722,724,726,728,1126,1128,1130) configured to contact a plurality of contact points of an imaging device (100) and a plurality of holders (120) configured to be adjustable in one or more directions and to support the plurality of spacers (722,724,726,728,1126,1128,1130). The adaptor assembly (300, 700, 1100, 1800) is configured to couple a corrector assembly (104) to an imaging device (100). The plurality of holders (120) may comprise a bracket (702) and at least one side bracket (704); a plurality of arms (304, 306, 308), each arm comprising a first link (314) pivotably connected to a base (312) and a second link (316) pivotably connected to the first link (314); at least one clamp assembly (1102, 1104, 1106); or at least one belt assembly (1802, 1804, 1806).

(FR): L'invention concerne un ensemble adaptateur (300, 700, 1100, 1800) comprenant plusieurs entretoises (722, 724, 726, 728, 1126, 1128, 1130) configurées pour entrer en contact avec plusieurs points de contact d'un dispositif d'imagerie (100) et plusieurs supports (120) configurés pour être réglables dans une ou plusieurs directions et pour supporter les entretoises (722, 724, 726, 728, 1126, 1128, 1130). L'ensemble adaptateur (300, 700, 1100, 1800) est configuré pour coupler un ensemble correcteur (104) à un dispositif d'imagerie (100). Lesdits plusieurs supports (120) peuvent comprendre : un support (702) et au moins un support latéral (704) ; plusieurs bras (304, 306, 308), chaque bras comprenant un premier lien (314) relié de manière pivotante à une base (312) et un second lien (316) relié de manière pivotante au premier lien (314) ; au moins un ensemble de serrage (1102, 1104, 1106) ; ou au moins un ensemble courroie (1802, 1804, 1806).

International search report:

Received at International Bureau: 09 January 2023 (09.01.2023) [CN]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW

European Patent Office (EPO) : AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM